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 PRODUCT-DETAILS

## ACS580-07-0246A-4

LV AC general purpose cabinet-built drive,  
IEC: Pn 132 kW, 246 A, 400 V, UL: Pld 200 Hp,  
240 A, 480 V (ACS580-07-0246A-4)




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**General Information**

Global Commercial Alias	ACS580-07-0246A-4
Product ID	3AXD50000041424
ABB Type Designation	ACS580-07-0246A-4
Catalog Description	LV AC general purpose cabinet-built drive, IEC: Pn 132 kW, 246 A, 400 V, UL: Pld 200 Hp, 240 A, 480 V (ACS580-07-0246A-4)

## Long Description

The ACS580-07 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.

All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The ready-made standalone cabinet-built ACS580-07 variant comes in IP21 as standard. Also, IP42 and IP54 units are available.

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**Ordering**

Customs Tariff Number	85044086
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HS Code 850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters

Invoice Description	ACS580-07-0246A-4 PN: 132 kW, IN: 246 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

**Dimensions**

Product Net Weight	255 kg 562.179 lb
Product Net Depth / Length	673 mm 26.496 in
Product Net Height	2145 mm 84.449 in
Product Net Width	530 mm 20.866 in
Package Level 1 Depth / Length	2520 mm 99.213 in
Package Level 1 Height	900 mm 35.433 in
Package Level 1 Width	820 mm 32.283 in
Package Level 1 Units	1 case

**Technical**

Number of Phases	3-phase
Degree of Protection	IP21
Enclosure Type NEMA	Type1 5 to 95%
Sound dB (A)	65 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R8
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Cabinet-built
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1

Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Normal Use ( $I_n$ )	246 A
Output Current, Light-Overload Use ( $I_{LD}$ )	234 A
Output Current, Heavy-Duty Use ( $I_{HD}$ )	206 A
Output Power, Normal Use ( $P_n$ )	132 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	132 kW
Output Power, Heavy-Duty Use ( $P_{HD}$ )	110 kW
Apparent Power Output	3806 W
Temperature Rating	170 kV-A Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for this cabinet-based drive. Cabinet built drives, with already conform modules, are excluded from the scope of the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.e).

### Technical UL

Output Current, Heavy-Duty Use (UL)	180 A
Output Current, Light-Overload Use (UL)	240 A
Output Power, Heavy-Duty Use (UL)	150 Hp
Output Power, Light-Overload Use (UL)	200 Hp

### Certificates and Declarations

Declaration of Conformity - CE	3AXD10001818627
REACH Date	20250905
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20240508
RoHS Declaration	3AXD10001818627
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

### Environmental

SCIP	182c528b-29d6-4b33-89d3-2ec8b482ca1d Finland
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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**External Classifications and Standards**

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ETIM 9	EC001857 - Frequency converter =< 1 kV
ETIM 10	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

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**Categories**

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Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-07 - Cabinet-built drive



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